

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	018512-005920US
First Inventor	Jegla, Timothy James
Title	KV10.1, A NOVEL VOLTAGE-GATED POTASSIUM CHANNEL FROM HUMAN BRAIN
Express Mail Label No.	EV 330 853 354 US

22764 U.S. PTO  
033104

APPLICATION ELEMENTS	ADDRESS TO
See MPEP chapter 600 concerning utility patent application contents.	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form x2(e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification (copy from parent) [Total Pages 73] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 5 (as filed) and 6 (formal drawings)]</p> <p>5. Oath or Declaration [Total Pages 1]       <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for a continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> </p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>	<p>Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p>
<span style="font-size: 10pt; border-bottom: 1px solid black; padding-bottom: 2px;">19270</span> <span style="font-size: 10pt; border-bottom: 1px solid black; padding-bottom: 2px;">10/8</span> <span style="font-size: 10pt; border-bottom: 1px solid black; padding-bottom: 2px;">U.S. PTO</span> <span style="font-size: 10pt; border-bottom: 1px solid black; padding-bottom: 2px;">033104</span> <span style="font-size: 10pt; border-bottom: 1px solid black; padding-bottom: 2px;">15297</span> <span style="font-size: 10pt; border-bottom: 1px solid black; padding-bottom: 2px;">U.S. PTO</span>	
<b>ACCOMPANYING APPLICATIONS PARTS</b>	
<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on:           <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input checked="" type="checkbox"/> Paper number of pages 12 (copy from parent)</li> </ul> </li> <li>c. <input checked="" type="checkbox"/> Communication Under 37 CFR 1.821-1.825 and Preliminary Amendment (copy from parent)</li> </ul> </p>	
<p>9. <input checked="" type="checkbox"/> Notice of Recordation of Assignment, Recordation Form Cover Sheet, Assignment of 2 pages (all copies from parent))</p> <p>10. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>11. <input checked="" type="checkbox"/> Letter to Official Draftsperson</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Power of Attorney, Statement Under 37 CFR 3.73(b) (both copies from parent)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. <input checked="" type="checkbox"/> Request to Accept in the Present Case the Sequence Listing Filed in the Parent Case</p>	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No: 09/833,466

Prior application information: Examiner Prema Maria Mertz Art Unit: 1646

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number		20350	OR <input type="checkbox"/> Correspondence address below	
Name				
City		State		Zip Code
Country		Telephone		Fax
Name (Print/Type)	Annette S. Parent		Registration No. (Attorney/Agent)	42,058
Signature	<i>Annette S. Parent</i>		Date	3/31/04

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 385)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Jegla, Timothy James
Examiner Name	
Art Unit	
Attorney Docket No.	018512-005920US

## METHOD OF PAYMENT (check all that apply)

- Check    Credit Card    Money Order    Other    None  
 Deposit Account:

Deposit Account Number  
20-1430Deposit Account Name  
Townsend and Townsend and Crew LLP

## The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below    Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	385
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$385)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Fee from below	Fee Paid
Total Claims	7	-20** = 0 X\$9 =	\$0
Independent Claims	1	-3** = 0 X\$43 =	\$0
Multiple Dependent		X [ ] =	

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	110	2251	55	Extension for reply within first month
1252	420	2252	210	Extension for reply within second month
1253	950	2253	475	Extension for reply within third month
1254	1,480	2254	740	Extension for reply within fourth month
1255	2,010	2255	1,005	Extension for reply within fifth month
1401	330	2401	165	Notice of Appeal
1402	330	2402	165	Filing a brief in support of an appeal
1403	290	2403	145	Request for oral hearing
1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	110	2452	55	Petition to revive – unavoidable
1453	1,330	2453	665	Petition to revive – unintentional
1501	1,330	2501	665	Utility issue fee (or reissue)
1502	480	2502	240	Design issue fee
1503	640	2503	320	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Petitions related to provisional applications
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))
1801	770	2801	385	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Annette S. Parent	Registration No. (Attorney/Agent)	42,058	Telephone	415-576-0200
Signature				Date	3/31/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Express Mail Label: EV 330 853 354 US

I hereby certify that this correspondence is being deposited with the United States Postal Service with "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on this date ~~April~~ 3 - 3 / -2004 and is addressed to:  
Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450

PATENT

Attorney Docket No.: 018512-005920US

TOWNSEND and TOWNSEND and CREW LLP

By Karen Karlin  
Karen Karlin

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jegla, Timothy James

Examiner: Not yet assigned

Application No.: Not yet assigned

Art Unit: Not yet assigned

Filed: Herewith

For: KV10.1, A NOVEL VOLTAGE-GATED  
POTASSIUM CHANNEL FROM  
HUMAN BRAIN

LETTER TO OFFICIAL DRAFTSPERSON

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant submits herewith six (6) sheets of formal drawings to be made of record in the above-identified case.

Respectfully submitted,

  
Annette S. Parent  
Reg. No. 42,058

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